



DEPARTMENT OF THE NAVY  
SPACE AND NAVAL WARFARE SYSTEMS COMMAND  
4301 PACIFIC HIGHWAY  
SAN DIEGO, CA 92110-3127

SPAWARINST 4105.2  
SPAWAR 04L-00  
11 Mar 03

SPAWAR INSTRUCTION 4105.2

From: Commander, Space and Naval Warfare Systems Command

Subj: INTEGRATED LOGISTICS SUPPORT CERTIFICATION PROCESS FOR  
SPAWAR SYSTEMS FIELDLED AFLOAT

Ref: (a) Deputy Secretary of Defense Memorandum on Defense  
Acquisition and Interim Guidance of 30 Oct 02  
(b) OPNAVINST 4720.2 (series) Fleet Modernization Program  
(FMP) Policy  
(c) Fleet Modernization Program (FMP) Management and  
Operations Manual NAVSEA SL720-AA-MAN-010/020 Rev 2)  
of 10 Jun 02  
(d) CNO WASHINGTON DC 211645Z Jan 03 FMP Logistics  
Certification for Ship Alterations

Encl: (1) ILS Certification Process Flow Diagram  
(2) ILS Work Plan (ILSWP) Example  
(3) ILS Risk Assessment Request  
(4) ILS Certification Form  
(5) ILS Certification Form Preparation Guide  
(6) ILS Certification Form Validation Criteria  
(7) ILS Certification Points of Contact  
(8) Glossary

1. Purpose. This instruction establishes policy, procedures, and responsibilities for development and processing of Integrated Logistics Support (ILS) Certifications for shipboard installations performed by the Space and Naval Warfare Systems Command (SPAWAR) under the Fleet Modernization Program. The intent of this instruction is to ensure that all new SPAWAR systems fielded to ships are supported to planned readiness levels through implementation of the logistics support provisions of references (a) through (c). The goal of this process is to efficiently and effectively provide all required documentation of ILS product development and readiness for delivery required to obtain NAVSEA Ship Program Manager (SPM) approval for installation of SPAWAR systems.

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2. Applicability and Scope. This instruction applies to ILS certifications for all SPAWAR Ship Alterations (SHIPALTs), Temporary Alterations (TEMPALTs), and other configuration changes accomplished either during or outside planned industrial availabilities. Exceptions or deviations to this policy will be guided by Section Eight (Configuration and Logistics Management) of reference (c) and by reference (d).

3. Background

a. The Fleet Modernization Planning (FMP) process contained in reference (c) governs modification of existing shipboard equipment and the introduction of new equipment to existing platforms. This process relies on proper ILS planning and execution in concert with system design and development as well as for lesser changes or modifications to existing systems. Activities funding a configuration change are responsible for the acquisition of logistics support provided to the Fleet to support the installation, whether inside or outside Chief of Naval Operations (CNO) availabilities. This support is summarized, certified and approved through the ILS Certification process outlined in this instruction.

b. Commercial Off-The Shelf/Non-Developmental Item (COTS/NDI) acquisitions create a special challenge for Program Managers and logisticians in planning and developing associated ILS products for configuration changes. SPAWAR's extensive use of COTS/NDI solutions for acquisition of its systems greatly reduces the development costs, accelerates procurement cycle time and assists in minimizing logistics infrastructure. However, use of these strategies does not relieve Acquisition Program Managers (APM) of responsibility for meeting FMP support requirements. The challenge is to tailor the level of logistics support for COTS/NDI equipment to an appropriate point which balances lean acquisition with effective support to attain the required readiness level.

4. Policy. It is the policy of the Commander, Space and Naval Warfare Systems Command (COMSPAWARSYSCOM) to provide logistically supported systems with associated ILS products commensurate with introduction to the operating forces. The goal of the ILS Certification process is to validate that the

planned logistics support for each fielded system or capability is available and ready for delivery not later than four months prior to Start of Availability (A-4), or Installation (I-4) if accomplished outside of a CNO availability.

a. Director, Installation and Logistics (SPAWAR 04) is designated as command lead for the ILS Certification process and will provide periodic status on process health and effectiveness, as well as the quality of ILS delivery. This information typically will be provided during Command Operations briefs and through the SPAWAR Balanced Scorecard metrics system.

b. Acquisition Program Managers (PMWs) and SPAWAR System Centers are responsible for supporting the ILS Certification process contained in this instruction, providing necessary information and communication as required to ensure complete and timely ILS delivery to the Fleet.

5. Action/Responsibilities. The following actions and responsibilities comprise the ILS Certification process. A top-level flow chart of this process is included as enclosure (1). The success of this process depends on the ability of the various activities and personnel to communicate and work together as a team. Enclosures (2) through (8) are provided to assist in the execution of the process. Accordingly, feedback on this policy and procedure is important and encouraged, and should be provided to SPAWAR 04L, Logistics Policy, Appraisal and Assessments at (858) 537-0521.

a. Acquisition Program Managers are responsible for:

(1) Ensuring ILS product development for their programs is adequately resourced.

(2) Planning for normal development of top-level design and configuration products such as Ship Alteration Records (SAR) and Ship Installation Drawings (SID) sufficiently in advance to allow for development of associated ILS products supporting Ship Program Manager (SPM) approval of ILS Certification by four months prior to Start of Availability (A-4) for installations under the FMP/D-30 process.

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(3) Employing the procedures in paragraphs six and seven below, as applicable, when Fleet requirements for rapid capability deployment preclude following the normal ILS product development schedule.

b. SPAWAR Code 04R shall:

(1) Manage the SPAWAR Integrated Data Environment (SIDE) database, ensuring timeliness and accuracy of installation availability start dates and other key alteration information. SIDE interfaces with the Navy Data Environment (NDE) and provides key installation schedule and planning information including ship type, SHIPALT number, availability and installation dates and various useful ILS data.

(2) Coordinate with and advise 04L/04F/04H on SID/SAR status affecting ILS development and certification.

(3) Coordinate with applicable NAVSEA SPM on ship installations.

(3) Provide feedback on ILS Certification trends, process health and metrics.

c. SPAWAR Code 04H Technical Directors shall:

(1) Receive, review and distribute the ILS Work Plan for their programs.

(2) Assist 04L in resolution of systemic/emergent issues regarding ILS Certification for their programs.

(3) Monitor progress of hull certifications and/or ILS Risk Assessments to ensure final ILS products are developed and delivered on time in accordance with ILS Delivery plans for systems and equipment in their programs, and that current status is provided to 04L in support of monthly SITREP messages.

(4) Provide feedback on ILS Certification trends, process health and metrics.

(5) Together with 04L and the NAVSEA SPMs, periodically review ILS Certification Form Validation Criteria, enclosure

(6), to ensure SPAWAR Integrated Product Support requirements are included in quality assurance.

d. SPAWAR Code 04H Logistics Management Specialists shall:

(1) Monitor ILS Work Plan for current/future ILS Certification Requirements.

(2) Working from the ILSWP, develop ILS products and submit an ILS Certification Form to the 04L ILS Certification Manager not later than six months prior to the first Start of Availability (A-6) for applicable installation(s). Until full automation of the ILS Certification Form, an electronic copy of the Certification Form will be submitted to 04L via email. The ILS Certification Form contained in enclosure (4) will be prepared in accordance with the preparation guide, enclosure (5). To further assist in understanding how this product will be evaluated for approval, SPM validation criteria are provided in enclosure (6).

(3) Work with the 04L QA Team to resolve ILS Certification validation issues.

(4) Provide ILS product delivery projections and status to 04L ILS Certification Managers for hull certifications, ILS Risk Assessments and Command Operations briefs.

(5) Participate in ILS Certification Video Teleconferences as requested by the SPM.

(6) Provide feedback on ILS Certification trends, process health and metrics.

e. SPAWAR Code 04L Department Head/Deputy shall:

(1) Direct the SPAWAR ILS Certification process and take action to ensure proper work-flow, information management and metrics are on track.

(2) Advise SPAWAR 00/04/PEO/PMW and Fleet Customers regarding metrics and status of ILS Certification for SPAWAR C4ISR programs.

(3) Assist 04L ILS Certification Managers and 04H Technical Directors in resolving systemic/emergent issues regarding ILS Certification for their programs.

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(4) Conduct periodic ILS Certification working group meetings to share feedback and recommendations to improve the process. Continue ongoing effort to automate and streamline these procedures.

f. SPAWAR Code 04L ILS Certification Managers shall:

(1) Publish the ILS Work Plan (ILSWP) at least monthly for all 04H Technical Directors, Logistics Management Specialists, SPMs and 04L Department Head/Deputy. The ILSWP will be extracted from the SIDE database and tailored by capability group/PMW and by SPM. The ILSWP provides a list of SPAWAR installs in order by Availability/Installation Start Date to assist in establishing work priorities and provide visibility of planned installs for which ILS Certifications will be required. The ILSWP also provides status of ILS Certifications in process and estimates as to their completion, including Addendums. An example ILSWP is provided in enclosure (2).

(2) Process ILS Certification Forms submitted by 04H Logistics Management Specialists.

(3) Update SIDE database and 04L VPO with ILS Certification Form receipt confirmation, new status/other information within one working day of receipt and post an electronic copy on the 04L Virtual Program Office (VPO) web site:

<https://vpo.spawar.navy.mil/04/04L/master.nsf>

(4) Forward the ILS Certification Form to the 04L Quality Assurance (QA) Team for review within one working day of receipt.

(5) Review and, if in concurrence, normally approve ILS Certification Forms validated by the 04L QA Team within two working days of receipt, and forward them to the SPM; updating the SIDE database and posting a copy of the SYSCOM-approved Certification Form on the 04L VPO.

(6) Monitor SIDE database and ILS Work Plan, advising 04F Afloat Installation Managers of installations potentially requiring TYCOM ILS Risk Assessments.

(7) Prepare monthly SITREPs/POA&Ms for review/chop by 04H and release by 04L and monitor progress; advise 04L/04H of impending/past due actions via monthly ILS Risk and In-Review progress reports.

(8) Develop, maintain, and monitor ILS Certification metrics for both production and process health; advise 04L Department Head/Deputy on ILS Certification production and process trends, timeliness, accuracy, common issues, and recommended alternative solutions.

(9) Ensure SIDE database ILS Certification data is kept current and accurate.

(10) Act as primary liaison with SPMs for ILS Certification policy and process matters, assisting with resolution of major issues.

(11) Organize HQ location Video Teleconferences for SPMs/04H Logistics Management Specialists.

(12) Maintain all enclosures to this instruction current and accurate.

g. SPAWAR Code 04L QA Team shall:

(1) Review and validate ILS Certification Forms against SPM validation criteria contained in enclosure (6).

(2) Strive to complete initial review and contact system ILS Certification POC within five working days.

(3) Work with 04H/system ILS Certification POC to resolve all validation criteria issues. A list of ILS Certification POCs is provided in enclosure (7). The 04L QA team and 04H ILS Certification POC will strive to resolve all discrepancies as quickly as possible. The 04H ILS Certification POC may authorize the 04L QA Team to make changes in the ILS Certification Form, confirmed in writing by email, in order to expedite processing.

(4) Advise 04L ILS Certification Manager of status and revised Estimated Completion Date (ECD) if ILS Certification cannot be validated within 17 working days due to extensive

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revisions or delays in obtaining required information. Keep 04L/ILS Certification Manager informed of significant delays or bottlenecks in information flow via monthly In-Review report.

(5) Electronically provide validated ILS Certification Forms to 04L ILS Certification Manager for review, approval and signature.

(6) Assist SPMs in resolution of ILS Certification validation issues as requested.

(7) Team Lead will contact each SPM bi-weekly to determine status of ILS certifications in process and if there are any Video Teleconference (VTC) agenda issues.

(8) Coordinate VTC Agenda issues with 04H Logistics Management Specialists/ILS Certification POCs and arrange VTC with SPM with appropriate locations. Publish VTC agenda at least five working days in advance to all concerned.

(9) Assist ILS Certification Managers in development of ILS Delivery plans for hull certifications and ILS Risk Assessments.

(10) Provide feedback on ILS Certification trends, process health and metrics.

h. SPAWAR Code 04F Afloat Installation Managers shall:

(1) Coordinate with TYCOM/04R for installations requiring TYCOM ILS Risk Assessment. Advise 04L ILS Certification Manager when TYCOM ILS Risk Assessment requests are required.

(2) Provide feedback on ILS Certification trends, process health and metrics.

i. SPM Validation/Approval. Once received, the SPM will validate the ILS Certification Form and approve for installation. An electronic copy of the final approved ILS Certification will be provided to the 04L ILS Certification Manager for update to the SIDE database and posting to the 04L VPO. Should the SPM have any quality issues or questions regarding the ILS Certification Form, they may be resolved in any or all of the following ways:



(1) For minor issues such as questions concerning specific routine data on the ILS Certification Form, the SPM may contact the designated 04L QA Team or ILS Certification POC listed in enclosure (7).

(2) For larger issues or revisions, such as policy interpretation, trends or validation criteria, the SPM is encouraged to contact the 04L ILS Certification Manager for resolution.

(3) As desired, the SPM may request a VTC with any of the SPAWAR players.

#### 6. ILS Risk Assessment.

a. FMP policy is to install alterations with all final ILS products in place at End of Availability/End of Installation (EOA/EOI) on a class basis. However, if one or more of the ILS products for an given alteration on a specific hull will not be in final form, but interim products such as preliminary technical manuals or preliminary PMS will be in place to support the installation, an ILS Certification Form outlining this case will be submitted and the SPM may approve "hull certification" per reference (d). When the SPM approves hull certification, ILS products which will not be provided in final form must be identified to the 04L ILS Certification Manager by the appropriate 04H Logistics Management Specialist. 04L must then provide a monthly SITREP via naval message to the ship and TYCOM, info the OPNAV Sponsor, SPM, Fleet Commander and NAVSEA 04 per reference (d) until SPM certification can be accomplished. When all ILS is in final form, an updated ILS Certification Form will be submitted to the SPM for final approval.

b. The Fleet may sometimes require a shipboard installation without an approved class or hull certification, based on a Plan of Action and Milestones (POA&M) developed and submitted by SPAWAR. This process is hull and system specific and handled on a case-by-case basis. Fleet, SPAWAR, SPM coordination in these cases will be as follows:

(1) The 04L ILS Certification Manager will closely monitor the SIDE database, ILS Work Plan, and coordinate with 04H/04R to determine progress toward SID/SAR/ILS development in support of Fleet-approved C4ISR installation requirements.

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Monthly and not later than six months prior to Start of Availability (A-6), or (I-6) if accomplished outside CNO availability, the ILS Certification Manager will identify to the 04F Afloat Installations Manager those systems/installs for which ILS SPM Approval cannot be achieved by A-4/(I-4).

(2) The 04F Afloat Installations Manager will evaluate the situation from a total installation standpoint and coordinate with the TYCOM to determine if the Fleet desires to accept ILS risk. If so, 04F will advise the 04L ILS Certification Manager.

(3) When notified that the Fleet/TYCOM desires to proceed with an installation with ILS Risk, the ILS Certification Manager will draft a POA&M in the format of enclosure (3), outlining current and planned ILS support for the installation. The 04L ILS Certification Manager will provide the ILS delivery plan to the respective TYCOM via TYCOM-specified media for development of an ILS Risk Assessment message per reference (d) NLT A-2 with a copy to the respective NAVSEA SPM. The POA&M will identify all ILS deficiencies and the estimated delivery dates for final products. When the TYCOM approves an installation without ILS certification, monthly message status reporting, as in paragraph 6.a above, will be required until all ILS products have been delivered.

(4) The 04L ILS Certification Manager and 04H Logistics Management Specialist will monitor the estimated completion dates for final ILS products and ensure final product delivery. The 04H ILS Logistics Specialist will submit an updated copy of the ILS Certification Form to complete the final approval process.

7. Configuration Changes subsequent to SPM approval. Following SPM ILS approval of a given alteration, any changes to the configuration of an alteration for current or follow-on installations will be documented as a change to the existing ILS Certification Form. For SPAWAR installations, this updated ILS Certification Form is called an Addendum. An updated ILS Certification Form shall clearly document the ships and ILS products impacted as a result of the changes to the configuration of the alteration and be processed as outlined in paragraph five above, with the exception that the word ADDENDUM be clearly annotated on the ILS Certification Form as applicable, along with the number and date of the change and

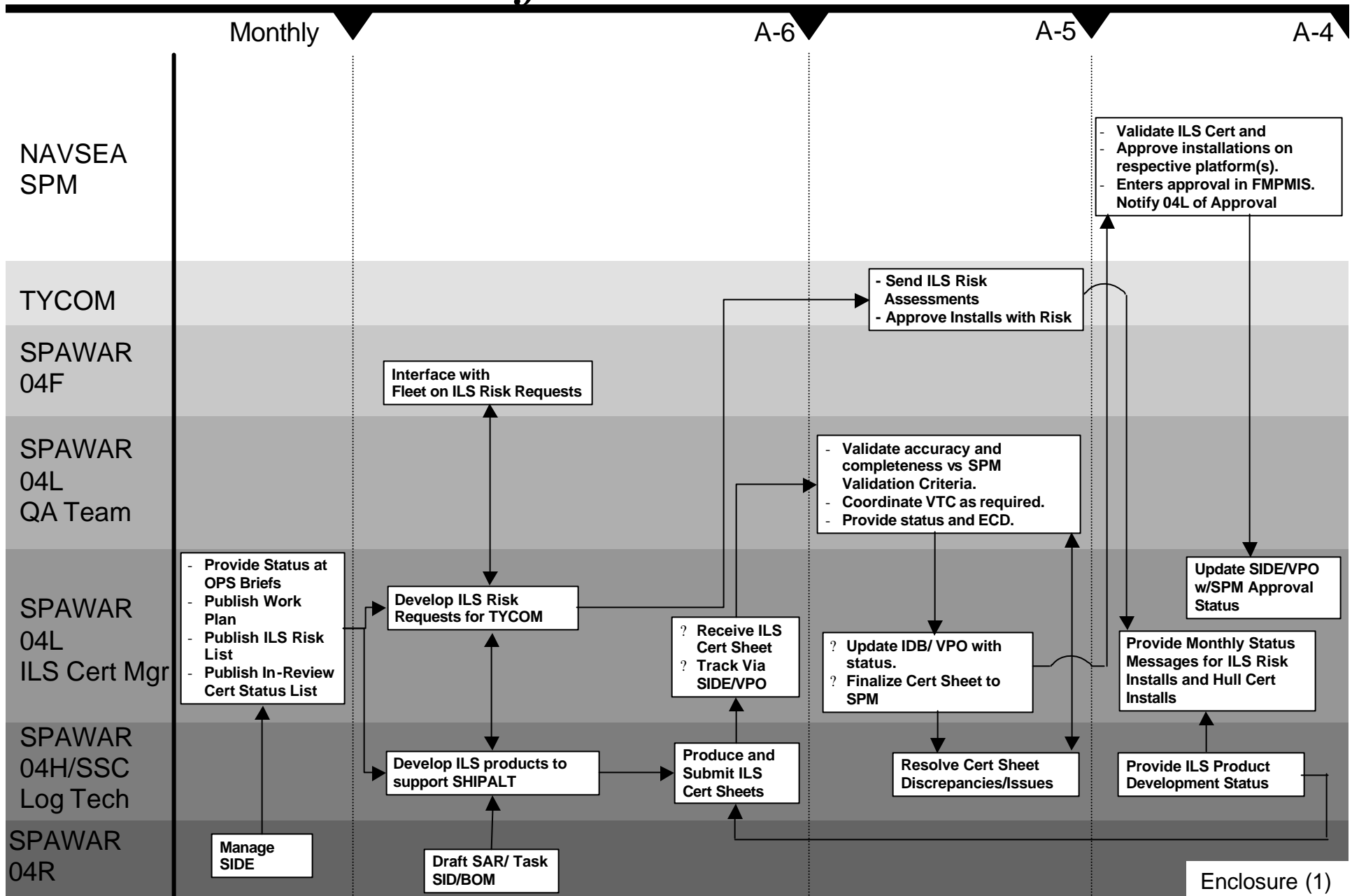
referencing any supporting change documentation. Changes to the configuration of an alteration once approved by the SPM should be reflected in all related alteration technical documentation (SAR, SHIPALT Installation Drawings (SIDs), Interface Control Drawings (ICDs), etc.) as required to ensure the continuity of data between technical and ILS design requirements.

8. Effective date. This instruction is effective immediately.

/s/  
JEFF KLEIN  
By direction

Distribution:  
NAVSEA (04, 04L, PMS 470L, PMS 490L, 92L)  
SPAWAR (04 (all), 05, 07, 08)  
SSC Charleston  
SSC San Diego  
SSC Norfolk  
PEO SHIPS  
PEO SUB  
PEO CARRIERS  
PEO C4I AND SPACE (DO, PMWs)

# ILS Certification Processes



**LATE CERTS - INSTALL  
BEGAN PRIOR TO DEC 02**

PMW	NOMENCLATURE
151	NTCSS (SERVER COMPONENTS)
155	NITES 2000 (AN/UMK-4 NITES 1 & 2)
155	NITES 2002 - AN/UMK-4A (V)1
155	NITES 2002 TEMPALT
156	NAVSSI BLK 3 BLD 4
156	NAVSSI BLK 4 (NON IT-21)
156	NAVSSI BLK 4 LITE
157	GCCS-M
157	JMCIS 98
157	SHIPS VIDEO DISTR SYS
157	TBMCS 1.1
159	C2P REHOST
159	ELECTRONIC JNL
159	LINK 11 TDTS
159	LINK MONITORING CAPABILITY (LMC)
159	UPGR C2P AN/UYK-43 TO CDLMS
161	HIGH ASSURANCE GUARD (HAG)
161	NSS-IDS (NVACM)
161	SECURE TELEPHONE EQUIP (STE) (5)

**HOT CERTS - INSTALLS  
BEGIN DEC THRU MAR 03**

PMW	NOMENCLATURE
151	THEATER MED INFO PROG - MARITIME (TMIP-M)
151	TMIP
155	NITES 2002 - AN/UMK-4A (V)1
155	SMOOS UPGRADE
156	NAVSSI BLK 3 BLD 4
156	NAVSSI BLK 4 (NON IT-21)
156	NAVSSI BLK 4 LITE
157	GCCS-M
157	TBMCS 1.1
159	UPGR C2P AN/UYK-43 TO CDLMS
161	NSS-IDS (NVACM)
161	SECURE TELEPHONE EQUIP (STE) (5)
165	AN/USQ-148A(V)3
165	SCI ADNS
165	CFCP (2)
165	ISNS LAN (ATM)
165	ISNS LAN GIG-E
165	NATO INTERIM DATA TRANSFER SYSTEM (NIDTS)
165	SCI ADNS (AN/USQ-148B(V)2)
165	TIDS (ISNS PH1)

**COMBINED LIST**

PMW	NOMENCLATURE
151	NTCSS (SERVER COMPONENTS)
151	THEATER MED INFO PROG - MARITIME (TMIP-M)
151	TMIP
155	NITES 2000 (AN/UMK-4 NITES 1 & 2)
155	NITES 2002 - AN/UMK-4A (V)1
155	NITES 2002 TEMPALT
155	SMOOS UPGRADE
156	NAVSSI BLK 3 BLD 4
156	NAVSSI BLK 4 (NON IT-21)
156	NAVSSI BLK 4 LITE
157	GCCS-M
157	JMCIS 98
157	SHIPS VIDEO DISTR SYS
157	TBMCS 1.1
159	C2P REHOST
159	ELECTRONIC JNL
159	LINK 11 TDTS
159	LINK MONITORING CAPABILITY (LMC)
159	UPGR C2P AN/UYK-43 TO CDLMS

SHIP CLASS	SHIP NAME	HULL	NOMENCLATURE	SHIPALT #	SHIPALT BRIEF	PMW	BATTLE GROUP	PRIORITY	AVAIL START	AVAIL END	IMO START	IMO END	04H CERT TO 04L ECD	04L CERT RECEIPT	CERT TO SPM ECD	CERT SENT TO SPM	SPM APPROVAL ECD	SPM APPROVAL	ILS RISK REQUEST SENT	ILS RISK REQUEST APPROVED	ADDENDUM VERSION	ADDENDUM APPROVED BY SPM	WP ADD	WP CHANGE	STATUS/COMMENTS	
SSN 0688	ALBUQUERQUE	SSN 0706	AN/USQ-144(V)3 ADNS	SA SSN 0688 04131 K 00	AN/USQ-144(V)3 ADNS	179	JFK-WSP 04 CVBG	07/01/01	07/01/01	03/31/03	07/01/01	07/01/03						07/26/00					06/21/02		Fully Supported; Addendum #01 being re-worked in PMW 179, ECD: 15 Dec 02. SPM Approval expected ECD: 30 Dec 02.	
MCM 0001	GUARDIAN	MCM 0005	UHF SATCOM 5KHZ UPGR	SA MCM 0001 00297 K 00	UHF SATCOM 5KHZ UPGRADE	179	LANT FDNF	10/01/01	10/01/01	09/30/02	10/01/01	09/30/02											04/02/02		8/20/02- Have deficiencies and POA&M from 04H, will use as necessary for waivers. 9/26/02- PMW 179 Dave Ritch determined ILS cert for this was submitted in error with version (V)1 instead of (V)5. PMW will submit new cert form when supporting documentation avail. ECD unknown. There is no cert in process!	
PNA	HALYBURTON	FFG 0040	TV-DTS (OE-556/U)	SA 404 0	TV DIRECT TO SAILOR (TV-DTS)	176-4	HST-IWO-03 CVBG	10/15/01			10/15/01	01/18/02														
CVN 0075	HARRY S TRUMAN	CVN 0075	GLOBAL BROADCAST SERVICE (GBS) DUAL	SA CVN 0075 08696 K 00	GLOBAL BROADCAST SYSTEM	176-5	HST-IWO-03 CVBG	10/18/01	10/01/01	09/30/02	10/18/01	02/15/02		09/10/02	12/18/02									04/10/02		9/10/02- Posted cert form in process. 04L sent to Fred Yager for review, due COB 1 OCT 02. 10/29/02- EMA is awaiting TM, ACL/APL and CDMD-OA, ECD 6 DEC. 12/4/02- 04H provided EMA revised cert form, being reviewed, due 24 DEC 02.
LHD 0001	BOXER	LHD 0004	EMBARKABLE DROPS	SA LHD 0001 00351 K 00	EMBARKABLE DROPS	165	NIM-BOX 2003	11/14/01	11/14/01	04/03/02	11/14/01	04/03/02			03/05/02			07/11/01					11/05/01		01/14/02 - Sent ILS Certification Form to Jeff Dutton for review. 3/12/02 - ILS Certification Form rejected by 04L 5/13/02 - Provided SPM (Stephanie Blaine) a package of SPAWAR Certified Forms for review.	
CG 0047	MOBILE BAY	CG 0053	SCI ADNS (AN/USQ-148A(V)2)	SA CG 0047 00626 K 00	SCI ADNS	165	LIN-BW 2002	01/07/02			01/07/02	01/17/02						03/01/01							03/30/01	THIS IS A HULL CERT ONLY! Following hulls are certified as of 3/21/01 : CG 47,CG55, CG56,CG60,CG63, CG70, CG72 Follow on installs to be certified as they happen.

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### ILS RISK REQUESTS

Per CNO WASHINGTON DC message 211645Z JAN 03, the FMP logistics certification process was changed to provide Type Commanders (TYCOM) with the authority to approve, on a ship by ship basis, installation of alterations which will not contain a full ILS package by the end of availability. For SHIPALTs without an approved hull or class certification, the TYCOM may determine it is in the best interest of the ship to install the alteration based on a Plan of Action and Milestones (POA&M) developed and submitted by the Acquisition Program Manager (APM). The TYCOM must submit an ILS Risk assessment by naval message to the SPM and APM, info the respective COMFLT, CNO sponsor, and NAVSEA 04, indicating the installation is approved prior to delivery of final or interim ILS products. SPAWAR 04L will coordinate these requests with the TYCOMs by staffing a message containing the POA&M for delivery of final ILS products and final SPM approval of the ILS Certification. A sample message is provided below:

FM SPAWARSYSCOM SAN DIEGO CA//04L//  
TO TYCOM  
INFO SHIP PROGRAM MANAGER//  
PEO C4I AND SPACE SAN DIEGO CA//APM//  
OPNAV N4/N6/N7//  
COMFLT N41/N43/N6//  
PARTNER TYCOM N41/N43/N6//  
PARTNER COMFLT N41/N43/N6//  
NAVSEA 04, 53//  
CVBG/ARG DCR  
SPAWARSYSCEN SAN DIEGO CA//260//  
SPAWARSYSCEN CHARLESTON SC//0F//  
DESRON/PHIBGRU  
SHIP  
RMMCO/CHET/EHET//  
SUPSHIP//  
FTSCLANT/PAC//

SUBJ/ILS RISK ASSESSMENT REQUEST FOR (SHIP, ALT NUMBER AND ALT NAME)//  
REF/A/MSG/CNO WASHINGTON DC MSG 211645Z JAN 03//  
AMPN/REF A DESCRIBES THE FMP LOGISTICS CERTIFICATION PROCESS FOR SHIP ALTERATIONS//  
POC/04L//  
RMKS/1. SHIPALT (SHIPALT NR) SKED FOR INSTALLATION ABOARD USS (SHIP) DURING AVAIL/WOO (DATES). SID STATUS (APPROVED

Enclosure (3)

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DATE/PENDING ECD). SAR STATUS (APPROVED DATE/PENDING ECD).

2. STATUS OF OUTSTANDING ILS IS AS FOLLOWS:

A. ILS PRODUCT/STATUS/ECD.

B. ILS PRODUCT/STATUS/ECD.

C. ILS PRODUCT/STATUS/ECD.

D. RECOMMENDED RISK LEVEL (RISK THAT FINAL ILS PRODUCTS WILL BE PROVIDED PER BY ECDS INDICATED).

E. ECD FOR SPM ILS CERT APPROVAL.

3. REQ APPROVAL OF INSTALLATION PENDING COMPLETION OF ABOVE ACTIONS. ILS STATUS UPDATES WILL BE PROVIDED ALCON MONTHLY VIA MESSAGE.

BT



**EXHIBIT S8-II  
ILS CERTIFICATION FORM**

**ILS Certification Form Version: 12.12.2001**

**Date ILS Certification Form prepared (DD MMM YYYY):**

**If revised, date and revision number of this ILS Certification form (DD MMM YYYY)/Rev #:**

**ILS Certification Form for Alteration Number(s):**

**Alteration Type:**

**Alteration Title and/or Brief:**

**Purpose of this Alteration:**

**Equipment Nomenclature(s) and AML #:**

**ILS Impact? (Yes or No):**

**SUPPLY SUPPORT REQUIREMENTS**

**A. SUPPORT REQUIREMENTS**

**Responsible Activity, Name, Code, Telephone Number and  
E-mail Address:**

1. COTS / NDI? (Yes or No):
2. PTD Procured or Developed? (Yes or No):
  - a. If yes, date submitted to TSA/NAVICP (DD MMM YYYY):
  - b. If no, provide a brief rationale and/or estimated completion date:
  - c. TSA/NAVICP Point of Contact (Name, Code, Phone and E-mail Address):
3. PAL Established? (Yes or No):
4. Have you planned for procurement of parts to replenish shipboard spares? (Yes or No):

5. Has PSD information been provided to NAVSEA 04 for inclusion in PARTS? (Yes or No):
- If yes, date provided (DD MMM YYYY):
  - Has the installation schedule in PARTS been maintained? (Yes or No):
  - If no, to question 5, provide a brief rationale and/or estimated completion date:
6. I&C (INCO) Kits required? (Yes or No):
7. Are there Intermediate and Depot level support requirements? (Yes or No):
- If yes, has the identification and transfer of all required equipment assemblies, parts, tools, test and support equipment to maintenance facilities been completed? (Yes or No):
  - If no, to question 7a, provide the date for the completion of these requirements. (DD MMM YYYY):
  - Provide name, code, telephone number and E-mail Address for Intermediate/Depot level maintenance requirements:

## B. CONFIGURATION IDENTIFICATION

### Responsible Activity, Name, Code, Telephone Number and E-mail Address:

1. Has configuration data been loaded in CDMD-OA? (Yes or No):
- If not, provide the date when the data will be loaded. (DD MMM YYYY):  
**Note: configuration data must be loaded in CDMD-OA NLT 2 months prior to Installation.**
  - If data is not being provided via CDMD-OA, provide a brief justification:

2. Is software included in this alteration? (Yes or No):      Software Version/Date:

SID # / SID ITEM #	AML Item #	ACL/APL/PAL/AEL Number	NSN or Cage/ Part Number	Equipment Identification	MSD/ PBL	Hull(s) Applicability

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**C. Are On-Board Support Items Required? (Yes or No):**

1. Identify On-Board Support Items (i.e. SRIs, OBRPs and OSIs) in the table below:

SID # / SID ITEM #	AML Item #	ACL/APL/PAL/AEL Number	NSN or Cage/ Part Number	Equipment Identification	MSD/ PBL	Hull(s) Applicability

2. Is a Pack Up Kit or other type of support kit required? (Yes or No):

**D. Are Maintenance Assistance Modules (MAMs) Required? (Yes or No):**

1. If MAMs are not required, can you fault isolate down to the Lowest Repairable Unit (LRU)? (Yes or No):

2. Identify MAMs in the table below:

SID # / SID ITEM #	AML Item #	APL / (PAL) / Number	NSN or Cage/ Part Number	Quantity (OBA)	Stowage Location	Estimated Availability Date	Hull(s) Applicability

**E. Are there any support requirements for Hazardous or Flammable Material? (Yes or No):**

SID # / SID ITEM #	AML Item #	Material Identification (NSN/Nomenclature)	Special Stowage/Handling Requirements
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**Remarks:**

### TECHNICAL MANUAL REQUIREMENTS

**Responsible Activity, Name, Code, Telephone Number and  
E-mail Address:**

1. Are there any Technical Manual Requirements? (Yes or No):

SID # / SID ITEM #	AML Item #	Technical Manual Identification Number (TMIN)/(IETM)	Title	Existing, Develop, Change or Revision	Estimated Completion Date	Hull(s) Applicability

2. If Final Technical Manuals are not available prior to installation, are red-lined or preliminary technical manuals available? (Yes or No):  
(If yes, identify in the Remarks block those TMs, and whether they are red-lined or preliminary).

**Remarks:**

## MAINTENANCE PLANNING REQUIREMENTS

### Responsible Activity, Name, Code, Telephone Number and E-mail Address:

#### A. Are there any Planned Maintenance System (PMS) requirements? (Yes or No):

1. If Validated MIPs / MRCs are not available prior to installation, are red-lined or preliminary PMS products available (e.g., MRC Facsimile, Technical Manual or Manufacturer's Operating Procedures Manual)? (Yes or No):  
(If yes, identify in the Remarks block what type of PMS data is available, and whether they are red-lined or preliminary).

SID # / SID ITEM #	AML Item #	MIP / MRC	Identification Number	Existing, Develop, Change or Revision	Estimated Completion Date	Hull(s) Applicability

#### B. Is the Integrated/Class Maintenance Plan (ICMP/CMP) Impacted? (Yes or No):

If yes, has the Maintenance Change Request been submitted via the 04 ICMP web page? (Yes or No):

NOTE: ICMP Maintenance change requests should be submitted via the NAVSEA 04 ICMP Web Page at  
<http://www.webdb.nslc.fmso.navy.mil/icmp.nsf>

SID # / SID ITEM #	AML Item #	ICMP Task Number	Existing, New or Revised	Estimated/ Completion Date	Hull(s) Applicability

**C. Are Technical Repair/Maintenance Standards Impacted? (Yes or No):**

SID # / SID ITEM #	AML Item #	TRS/MS Identification Number	Title	Existing, Develop, Change or Revision	Estimated/ Completion Date

**D. Are there Intermediate and/or Depot level maintenance requirements? (Yes or No):**

- If yes, provide the date for the establishment these requirements. (DD MMM YYYY):
- Provide name, code, telephone number and E-mail Address for Intermediate/Depot level maintenance requirements:

**Remarks:**

## SUPPORT AND TEST EQUIPMENT REQUIREMENTS

**Responsible Activity, Name, Code, Telephone Number and  
E-mail Address:**

**A. Does the system use Built in Test / Built in Test Equipment for fault isolation? (Yes or No):**

**B. Does the system have Support and Test Equipment Requirements? (Yes or No):**

**C. Has SPETERL information been provided to NSWC IHD DETACHMENT EARLE? (Yes or No):**

If no, indicate when the SPETERL information will be provided in the Remarks block.

**NOTE: If any GPETE or SPETE will not be available prior to installation, indicate what will be provided and when in the Remarks block.**

SID # / SID ITEM #	AML Item #	Equipment Type	Nomenclature	APL/AEL	SCAT or NSN	Quantity	Estimated Availability Date	Hull(s) Applicability

**Remarks:**

## TRAINING REQUIREMENTS

**Responsible Activity, Name, Code, Telephone Number and  
E-mail Address:**

**A. Does system have Training Requirements? (Yes or No):**

**If Formal and / or Informal training courses are not available  
prior to first installation, indicate how training will be provided:**

**Please provide a Navy Training Systems Plan (NTSP) Number:**

**B. Is Initial Training Required? (Yes or No):**

### Ship Sys. Manpower Req.

SID # / SID ITEM #	AML Item #	Course Number and Title	Location	Trainers Impacted	Duration	NEC	Rating/ Rate	# Per Ship	ECD Date	Hull(s) Applicability



**C. Is Follow-On Training required? (Yes or No):**

**Please indicate how Follow-On Training Will be Identified. Briefly describe what plans have been made to update training hardware and software to support this change:**

**NOTE: Shore Trainer Installations should be completed approximately 4 months prior to first ship installation.**

**Ship Sys. Manpower Req.**

SID # / SID ITEM #	AML Item #	Course Number and Title	Location	Trainers Impacted	Duration	NEC	Rating/ Rate	# Per Ship	ECD Date	RFT Date	Hull(s) Applicability

**D. Are there any JQRs/PQS impacted by this change? (Yes or No):**

**PQS:**

NAVEDTRA Number	Title	Model Manager	Effective Date	Qualification Description

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**JQRs:**

JQR Number	Title	Model Manager	Effective Date	Qualification Description

**E. Identify any additional training products (such as Audio/Visual products, Computer Based Training CD-ROMS, Stimulation or Simulation products, etc.,) to be delivered in to the Fleet.**

SID # / SID ITEM #	AML Item #	Product Number	Description	Format/Type	Estimated Availability Date	Hull(s) Applicability

**Remarks:**

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## PROPOSED INSTALLATION SCHEDULE

[illegible]

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**Date ILS Certification Form prepared (DD MMM YYYY):**

**If revised, date and revision number of this ILS Certification form (DD MMM YYYY)/Rev #:**

**ILS Certification Form for Alteration Number(s):**

**Alteration Type:**

**Alteration Title and/or Brief:**

**Purpose of this Alteration:**

**Equipment Nomenclature(s) and AML #:**

**ILS Impact? (Yes or No):**

<b>APPROVAL (A)</b>	<b>SHIP PROGRAM MANAGER (SPM)</b>	<b>SHIP CHIEF (SC)</b>	<b>ILS Certification Caveat(s) including Due Date(s)</b>
<b>SUBMITTING ACTIVITY SIGNATURE</b>	<b>SPM SIGNATURE</b>		
<b>TYPED NAME</b>	<b>TYPED NAME</b>		
<b>ACTIVITY / CODE / PHONE NUMBER</b>	<b>ACTIVITY / CODE / PHONE NUMBER</b>		
<b>DATE</b>	<b>DATE</b>		

<b>SYSCOM APPROVAL (IF REQUIRED)</b>	<b>SHIP PROGRAM MANAGER (SPM)</b>	<b>SHIP CHIEF (SC)</b>	<b>ILS Certification Caveat(s) including Due Date(s)</b>
<b>SUBMITTING ACTIVITY SIGNATURE</b>	<b>SPM SIGNATURE</b>		
<b>TYPED NAME</b>	<b>TYPED NAME</b>		
<b>ACTIVITY / CODE / PHONE NUMBER</b>	<b>ACTIVITY / CODE / PHONE NUMBER</b>		
<b>DATE</b>	<b>DATE</b>		

**Integrated Logistics Support (ILS) Certification Preparation  
Guide  
Version 12.12.2001**

**Introduction.** This document is intended to be an informational guide to assist in the preparation of the ILS Certification Form. A unique ILS Certification Form is required for first time installations of Alterations, Alteration variants, and changes to a ship class. A separate ILS Certification Form for the same alteration **must** be submitted for each ship class unless the configuration and logistics products are identical for all installations. This ILS Certification Form allows for the identification of varying quantities of logistics products to be delivered based upon the capabilities of the specific platform. The purpose of the ILS Certification Form is to provide the Ship Program Manager (SPM) with a tool to assist them in ensuring that all areas of ILS have been considered and that proper measures have been taken to ensure the planned alteration is fully logistically supportable as directed by the CNO. This form **must** be submitted to the SPM in electronic format only.

The information required in many areas of the form is self-explanatory based on the heading. However, in order to receive a consistent level of information, this guide is provided to give the preparer an idea of what is required in each block. Any sections that are not applicable to the Alteration should be marked "N/A" vice being left blank.

**General Guidance.**

This document is created as a MicroSoft Word document. Data entry areas are created as "Rows" and it is preferred that all element information be listed continuously in the document (ie., the use of continuation sheets are no longer desired). If additional space is needed in the template to enter the required information (eg., there are nine configuration items to identify but only five "Rows" for entry), additional "Rows" should be added by placing your cursor in the last row of the table, selecting "Table" on the Menu Bar, selecting "Insert Rows" and accept (press 'enter'). The 'Help' function in Word will identify how to insert more than one (1) row at a time.

All "dates" should be entered in the DD MMM YYYY format, e.g., 15 JUL 2001.

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SHIPALT Installation Drawing (SID) number/SID Item Number may or may not be available at the time the ILS Certification is developed. The SPM will determine the need for this information to be collected.

Alteration Material List (AML) is a term used to identify the Material provided for SHIPALTs. For other types of Alterations, the reference identifier of the applicable Alteration kit should be referenced.

### **Basic Header Data**

- Date ILS Certification Form is prepared and submitted.
- If revised, applicable date of revised submission.
- Identify the ship class, system/equipment designator (e.g., ORDALT, etc.) and Alteration number/title (e.g. CG47-0519K, OA 15936, etc.).
- Identify the Alteration type (Alteration types are: K Alt, K-P Alt, D Alt, F Alt, ORDALT, MACHALT, Alteration Equivalent to Repair (AER), Field Change (FC), Engineering Change (EC), Software Change, TEMPALT, Technical Instruction (TI) or other Alteration type)
- List the Alteration brief narrative. (e.g. AN/WSN-7, Ring Laser Gyro NAV). Note, this must match what is on the Alteration record/(and Justification/Cost Form (JCF) for SHIPALTs).
- List the purpose of the Alteration (must be identical to the JCF for SHIPALTs).
- List the Equipment Nomenclature and AML Item Number (only used for individual equipment certification).
- Identify "Yes" if there is an ILS impact or "No" if there is not an ILS impact as a result of this Alteration regardless of whether some of the equipment may already exist onboard, e.g., adding an additional Transmitter via this Alteration would impact Technical Manuals (TMs), etc. Any ILS element which does not apply to the end item (equipment/system) are to be marked "N/A". Provide justification for "N/A" as appropriate.

### **SUPPLY SUPPORT REQUIREMENTS**

#### **A. Support Requirements**

- Identify the Responsible Activity, Name, Code, Telephone Number and E-mail address of the individual(s) responsible for Supply Support requirements.
- Identify "Yes" or "No" if support is Commercial Off the Shelf (COTS)/Non-Developmental Item (NDI).
- Enter "Yes" or "No" to identify whether or not Provisioning Technical Documentation (PTD) has been procured or developed.
  - If "PTD procured" is yes, identify the date it was submitted to NAVICP.
  - If "PTD procured" is no, provide a brief rationale and/or estimated completion/submission date.
  - Identify the NAVICP point of contact (Name, Code, Phone and E-mail Address) that is working the PTD package(s).
- Identify "Yes" or "No" whether or not a Preliminary Allowance List (PAL) has been developed for use in the interim until fully provisioned Allowance Parts Lists (APLs) are completed.
- Identify "Yes" or "No" to indicate if you have planned for procurement of parts to replenish shipboard spares (wholesale stock).
- Identify "Yes" or "No" to indicate if Program Support Data (PSD) information has been provided to NAVSEA 04 for inclusion in the PSD Automated Reporting and Tracking System (PARTS).
  - Identify the date PSD information initialized in PARTS.
  - Identify if the installation schedule has been maintained and is current.
  - If PSD has not been established, provide a brief rationale and an estimated date PSD will be initiated.
- Indicate if Installation and Checkout (I & C) kits are required, "Yes" or "No". I & Cs can be defined as tools, hardware and spare or repair parts provided with the equipment to be used in the installation and checkout of the equipment.
- Identify "Yes" or "No" to indicate if there are Intermediate and/or Depot level support requirements.
  - If "yes"....self explanatory.
  - If "no"....self explanatory.
  - Point of Contact....self explanatory.

#### **B. Configuration Identification**

*This section is used to list the systems and equipment being installed or modified by the Alteration and their respective*

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*APLs. All equipment and their respective APLs (including system level APLs, 89000 Series APLs, X-Repairable Identification Codes (XRICs) and Allowance Equipage Lists (AELs)) should be listed regardless of their impact on shipboard spares.*

- Identify the Responsible Activity, Name, Code, Telephone Number and E-mail address of the individual(s) responsible for developing and submitting configuration data.
- Identify "Yes" or "No" to indicate if configuration data has been entered into the Configuration Data Managers Database-Open Architecture (CDMD-OA).
  - If not entered, identify the estimated date the configuration will be entered.
  - If not being entered into CDMD-OA, provide a rationale why it will not be entered.
- Identify "Yes" or "No" to indicate if there is any Software included in this alteration.
  - Identify the Software Version and Date of the Version.
- **List each configuration worthy item from the AML.** (See the "General Guidance" section above for instructions for adding additional rows.)
  - SID Number/SID Item Number. List the SHIPALT Installation Drawing (SID) number(s) and SID Item number(s) of the equipment/component for which Configuration Identification is required.
  - AML Item Number. List the AML Item Number(s) of the equipment/component for which Configuration Identification is required.
  - For each equipment listed, identify all associated APLs/PALs/AELs/Allowance Components Lists (ACLs). Identify AEL to support Tools and Test Equipment delivered in support of the equipment installed by the Alteration.
  - For each equipment listed, identify the National Stock Number (NSN). If the NSN is not available, list the Commercial and Government Entity (CAGE) code/ Part Number.
  - List all of the equipment nomenclature(s) based on the above parameters.
  - For each equipment listed, identify the Material Support Date (MSD) or Performance Based Logistics (PBL) date.



- If there are variations in the quantity of an item required to accomplish the alteration on specific Hull(s), list those selected Hull(s).

**C. On Board Support Items**

*On board support items consist of storeroom items (SRI), on board repair parts (OBSPs), operating space items (OSI) and consumable items listed in the applicable shipboard allowance documents to be carried on board either in the Supply Officer's storeroom or appropriate Work Center and utilized in the support/repair of installed equipment. Identify in the "Remarks" section, any item requiring special stowage requirements, e.g., classified material, size, etc.*

- Identify "Yes" or "No" to indicate whether or not On Board Support Items are required.
- **List each On Board Support item that will be delivered to the ship.** Note that wholesale stock items that are not provided to the ship as initial outfitting items should not be listed. (See the "General Guidance" section above for instructions for adding additional rows.)
  - SID Number/SID Item Number. List the SID number(s) and SID Item number(s) of the equipment/component for which the On Board Support Item is provided.
  - AML Item Number. List the AML Item Number(s) of the equipment/component for which repair parts are being provided.
  - List the number of the APL/PAL/AEL upon which the On Board Support Item is listed.
  - For each equipment, list all the required On Board Support Items by NSN or Part Number/CAGE if NSN is not available.
  - List the On Board Allowance (OBA) quantity for each of the On Board Support Items identified. Only list those items procured and will be "pushed" to the ship. Requirements to be satisfied from items that have reached Navy Support (or the approved MSD) and filled from the applicable Item Managers system stock do not need to be identified.
  - List all equipment nomenclatures that require On Board Support Items.

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- List the MSD or PBL date that was negotiated between the Life Cycle Manager (LCM) and NAVICP that identifies when this equipment will be supported by the supply system. List "N/A" for consumable items.
- If there are variations in the quantity of an item required to accomplish the alteration on specific Hull(s), list those selected Hull(s).
- Identify "Yes" or "No" to indicate whether or not the items are part of a Pack-up-Kit (PUK) or similar type of support kit. This would include items that would be delivered to one platform or support a 'group' of deployed ships (e.g., provided to the CG to support a Battlegroup). Identify in the "Remarks" section, the function of the 'Pack-up' kit.

**D. Maintenance Assistance Modules (MAMs)**

*MAMs are determined to be remove-and-replace items (generally circuit card assemblies) used for diagnostic purposes in performing corrective maintenance on equipment.*

- Identify "Yes" or "No" to indicate whether or not MAMs are required.
  - If MAMs are not required, identify if you can fault isolate down to the Lowest Repairable Unit (LRU). Identify "Yes" or "No" as applicable.
- **List each MAM that will be delivered to the ship.** (See the "General Guidance" section above for instructions for adding additional rows.)
  - SID Number/SID Item Number. List the SID(s) and SID Item Number(s) of the equipment/component(s) for which the MAM is provided.
  - AML Item Number. List the AML Item Number(s) of the equipment/component for which MAMs are being provided.
  - List the number of the APL/PAL upon which the MAM is listed.
  - For each equipment, list all the required MAMs by NSN or Part Number/CAGE if NSN is not available.
  - List the On Board Allowance (OBA) quantity for each of the MAMs identified.
  - MAMs are stowed in the operating space of the ship vice in the storeroom. Identify the stowage location of the MAM(s),

down to the operating space number, cabinet number, drawer, slot, etc.).

- Identify the estimated/available date for the required MAM(s).
- If there are variations in the quantity of an item required to accomplish the alteration on specific Hull(s), list those selected Hull(s).

**E. Hazardous or Flammable Material**

- Indicate "Yes" or "No" to indicate whether or not there is any hazardous or flammable material required to support this equipment.
- **List all HAZMAT that will be delivered to the ship.** (See the "General Guidance" section above for instructions for adding additional rows.)
  - SID Number/SID Item Number. List the SID number(s) and SID Item Number(s) of the equipment/component for which the HAZMAT is provided.
  - AML Item Number. List the AML Item Number(s) of the equipment/component for which the HAZMAT is being provided.
  - Identify the Hazardous or Flammable material by listing the NSN and item nomenclature.
  - Identify any special stowage or handling requirements for the material identified.

**Remarks on Supply Support Requirements Elements**

- Enter any amplifying information on the Supply Support Requirements in the "Remarks" section.

**TECHNICAL MANUAL REQUIREMENTS**

- Identify the Responsible Activity, Name, Code, Telephone Number and E-mail address of the individual(s) responsible for Technical Manual requirements.
- Indicate "Yes" or "No" to indicate whether or not there are any TM/TM Changes/Revisions required to support this equipment.

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- **List each TM requirement that will be delivered to the ship.**

(See the "General Guidance" section above for instructions for adding additional rows.)

- SID Number/SID Item Number. List the SID number(s) and SID Item Number(s) of the equipment/component for which the Technical Manual(s) supports.
  - AML Item Number. List the AML Item Number(s) of the equipment/component for which the Technical Manual supports.
  - Technical Manual Identification Number (TMIN)/Interactive Electronic Technical Manual (IETM) Number: These are the only acceptable identifiers for TMs. List all applicable TMIN or IETM Numbers. Each manual listed should cross to the equipment listed in the Alteration material list. Note, if the TM is not available at the start of the availability/install, identify what type of interim product will be provided. COTS manuals must have TMINs assigned. TMINs can be obtained by contacting Naval Sea Data Support Activity (NSDSA) (Code 5E30) at (805) 228-7468.
  - List the title of the TM that corresponds to the TMIN/IETM number previously identified.
  - Identify "existing", "develop", "change" or "revision" of the type of TM documentation required to support the alteration.
  - Identify the estimated/completion date if the TM is being developed, changed or revised.
  - If there are variations in the quantity of an item required to accomplish the alteration on specific Hull(s), list those selected Hull(s).
- 
- Identify "Yes" or "No" to indicate whether or not the TMs are in final form. If TMs are not final prior to the first installation, identify the type of interim product that is available and will be provided to the ship (e.g., "red-lined", preliminary TM, etc.). List, in the "Remarks" section, those TMs that will have interim products provided and the type of product provided.

**Remarks on Technical Manual Requirements**

- Enter any amplifying information on the Technical Manual Requirements in the "Remarks" section.

**MAINTENANCE PLANNING REQUIREMENTS**

- Identify the Responsible Activity, Name, Code, Telephone Number and E-mail address of the individual(s) responsible for Maintenance Planning requirements.

**A. Planned Maintenance System (PMS)**

- Identify "Yes" or "No" to indicate whether or not PMS requirements are impacted. If "yes", the ship's List of Effective Pages (LOEP) will still have to be updated with Maintenance Index Page (MIP)/ Maintenance Requirements Cards (MRC) application.
- Identify "Yes" or "No" to indicated whether or not the MIPs/ MRCs have been validated and are available. If MIPs/MRCs are not final prior to the first installation, identify the type of interim product that is available and will be provided to the ship (e.g., "MRC Facsimile, TM or Manufacturer's Operating Procedures Manual). List, in the "Remarks" section, those PMS requirements that will have interim products provided and the type of product provided.
- **List each PMS requirement that will be delivered to the ship.** (See the "General Guidance" section above for instructions for adding additional rows.)
  - SID Number/SID Item Number. List the SID number(s) and SID Item Number(s) of the equipment/component for which the PMS supports.
  - AML Item Number. List the AML Item Number(s) of the equipment/component for which PMS is required.
  - List the type of PMS documentation (MRC and/or MIP) affected.
  - List the identification number of the affected MIPs or MRCs.
  - Identify if the affected MIPs or MRCs are "existing, new, changed or revised".
  - Identify the estimated date that the affected MIPs or MRCs will be completed. If the MIP and/or MRC is already complete, identify as "N/A" in the "Estimated Completion Date" field.

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- If there are variations in the quantity of an item required to accomplish the alteration on specific Hull(s), list those selected Hull(s).

**B. Integrated Class Maintenance Plan (ICMP)/Class Maintenance Plan (CMP)**

*The ICMP contains Depot level maintenance tasks, Intermediate Maintenance Activity (IMA) tasks, and a few Organizational level tasks requiring off ship maintenance. The ICMP also includes mandated maintenance requirements. ICMPs are applicable to surface ships only; aircraft carriers and submarines use the CMP. CMPs are under the cognizance of SUPSHIP Newport News for aircraft carriers whereas the Submarine Maintenance, Engineering, Planning and Procurement (SUBMEPP) activity manages the submarine CMPs.*

- Identify "Yes" or "No" to indicate whether or not the ICMP/CMP is impacted.
- If yes, identify "Yes" or "No" to indicate if the Maintenance Change Request has been submitted via the NAVSEA 04 ICMP web page. If a Maintenance Change Request is required but has not been submitted, use the underlined web link to go to the NAVSEA 04 ICMP web page at <http://www.webdb.nslc.fmso.navy.mil/icmp.nsf> (for surface ships only) to submit the Maintenance Change Request.
- **List each ICMP requirement.** (See the "General Guidance" section above for instructions for adding additional rows.)
  - SID Number/SID Item Number. List the SID number(s) and SID Item Number(s) of the equipment/component for which the ICMP supports.
  - AML Item Number. List the AML Item Number(s) of the equipment/component for which a new or revised ICMP task is required.
  - List the identification number of the affected ICMP task.
  - Identify if the affected ICMP task is existing, new or revised. All ICMP changes must be submitted by a Maintenance Change Request via the NAVSEA 04 ICMP web page as indicated above.

- Identify the estimated/completion date the affected ICMP task will be available.
- If there are variations in the quantity of an item required to accomplish the alteration on specific Hull(s), list those selected Hull(s).

**C. Technical Repair Standard (TRS)/Maintenance Standard (MS)**

*Standards contain specific critical procedures, examinations, tests, acceptance criteria and replacement parts information for the overhaul/reconditioning of a system, equipment, or component.*

- Identify "Yes" or "No" to indicate whether or not the TRS/MS is impacted.
- **List each TRS or MS requirement that will be delivered.** (See the "General Guidance" section above for instructions for adding additional rows.)
  - SID Number/SID Item Number. List the SID number(s) and SID Item Number(s) of the equipment/component for which the TRS/MS supports.
  - AML Item Number. List the AML Item Number(s) of the equipment/component for which the TRS/MS supports.
  - TRS/MS Identification Number. List all applicable TRS/MS Numbers. Each manual listed should cross to the equipment listed in the Alteration material list.
  - List the title of the TRS/MS that corresponds to the TRS/MS identification number previously identified.
  - Identify "existing", "develop", "change" or "revision" of the type of TRS/MS documentation required to support the alteration.
  - Identify the estimated/completion date if the TRS/MS is being developed, changed or revised.

**D. Intermediate and/or Depot Level Maintenance Requirements**

*Intermediate maintenance is maintenance/repair that is required to be performed at a Intermediate Maintenance Activity (IMA) or Shore IMA (SIMA). Depot level maintenance is extensive maintenance/repair that is required to be performed by an*

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*authorized repair activity (e.g., Organic (shipyard) or Original Equipment Manufacturer (OEM)).*

- Identify "Yes" or "No" to indicate whether or not there are any Intermediate or Depot Level maintenance requirements for the equipment being installed.
  - If "yes", provide the date for the establishment of the requirements.
  - Identify the Responsible Activity, Name, Code, Telephone Number and E-mail address of the individual(s) responsible for the Intermediate and Depot Level requirements.

#### **Remarks on Maintenance Planning Requirements**

- Enter any amplifying information on the Maintenance Planning Requirements in the "Remarks" section.

#### **SUPPORT AND TEST EQUIPMENT REQUIREMENTS**

- Identify the Responsible Activity, Name, Code, Telephone Number and E-mail address of the individual(s) responsible for Support and Test Equipment requirements.
- Identify "Yes" or "No" to indicate whether or not the system/equipment being installed uses any Built-in-Test (BIT)/Built-in-Test Equipment (BITE) for fault isolation.
- Identify "Yes" or "No" to indicate whether or not the system/equipment being installed requires any support and/or test equipment for shipboard maintenance.
- Enter "Yes" or "No" to indicate if the Ships Portable Electrical/Electronic Test Equipment Requirements List (SPETERL) input has been submitted to NSWC IHD Detachment Earle for the General Purpose Electronic Test Equipment (GPETE)/Special Purpose Electronic Test Equipment (SPETE) equipment identified above. If the input has not been provided, identify in the "Support and Test Equipment Remarks" block the Responsible Activity, Name, Code, Telephone Number and E-mail address responsible for submitting this input.
- **List each Support and Test Equipment requirement.** (See the "General Guidance" section above for instructions for adding additional rows.)



- SID Number/SID Item Number. List the SID number(s) and SID Item Number(s) of the equipment/component for which the Support and Test Equipment supports.
- AML Item Number. List the AML Item Number(s) of the equipment/component for which Support and Test Equipment is required.
- Identify the type of Support and Test Equipment required, i.e., General Purpose Test Equipment, Special Purpose Test Equipment, Support Equipment (i.e., special tools/handling equipment), etc.
- Identify the equipment nomenclature of the respective Support and Test Equipment.
- List the applicable APL and/or AEL for the Support and Test Equipment provided.
- List the Sub-Category (SCAT) code (if SCAT is not available list the NSN) for any of the equipment identified.
- List the quantity of each item provided.
- If Support or Test Equipment is required but is not available, list the estimated availability date.
- If there are variations in the quantity of an item required to accomplish the alteration on specific Hull(s), list those selected Hull(s).

**Remarks on Support and Test Equipment Requirements**

- Enter any amplifying information on the Support and Test Equipment Requirements in the "Remarks" section. Also, identify any GPETE or SPETE that will not be available prior to installation and indicate when it will be provided. In addition, identify the required information if SPETERL input has not been submitted to NSWC IHD Detachment Earle.

**TRAINING REQUIREMENTS**

*Informal Training: Training that is provided that is not based on formal written curricula. This training is often provided by the installation team as part of the shipboard installation process.*

*Formal Training: Training that has been developed and documented in a formal training plan or curricula. This training is normally provided as factory training or at a formal land based training site and is designed to train replacement personnel.*

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*Initial (Differences) Training:* A term generally used to denote operator and maintenance training resulting from the installation of new equipment, given to ships force who have already completed formal training requirements on equipment being replaced or the system being modified.

*Follow-on Training:* Training that is required after the completion of Initial Training. This is training that has been developed and documented in a formal training plan or curricula. This training is normally provided at a formal land based training site and is designed to train replacement personnel.

*Responsive Training:* Unscheduled, instructor-led training at a formal Navy school, often tailored to meet the specific needs of a ship or command and provided in response to the fleet's request in order to meet/answer known and/or real-time deficiencies.

*Ready for Training (RFT) Date:* The date that formal training can be provided. This requires the training equipment to have been installed/modified and formal curriculum developed and delivered to the training site to support training.

- Identify the Responsible Activity, Name, Code, Telephone Number and E-mail address of the individual(s) responsible for Training requirements.

**A. Training Requirements**

- Identify "Yes" or "No" to indicate whether or not the system/equipment being installed has any Training requirements.
- Identify in the "Remarks" section how operator and maintenance training will be provided to shipboard personnel and depot level personnel if formal training is not available prior to the first installation.
- Identify the Navy Training System Plan (NTSP) number that identifies the Training requirements for the equipment/systems installed by this Alteration. If no NTSP exists enter "N/A".

**B. Initial Training**

- Identify "Yes" or "No" to indicate whether or not the system/equipment being installed has any Initial Training requirements.
- **List each Initial Training requirement.** (See the "General Guidance" section above for instructions for adding additional rows.)
  - SID Number/SID Item Number. List the SID number(s) and SID Item Number(s) of the equipment/component for which the identified Training supports.
  - AML Item Number. List the AML Item Number(s) of the equipment/component for which the identified Training supports.
  - Identify the Course Number and Title of each required course.
  - Identify the location where training will occur for each course listed.
  - Identify the Trainers impacted at the Navy Training Facility.
  - Enter the duration (in hours, days, etc.) of each course identified.
  - List the Navy Enlisted Classification (NEC) code identified for operation and maintenance of the equipment.
  - Identify the applicable Rating/Rate(s) required for the Training.
  - Identify the number of personnel required to be trained per ship in support of the equipment installed by this Alteration.
  - Identify the date the Training product is expected to be available for training.
  - If there are variations in the quantity of an item required to accomplish the alteration on specific Hull(s), list those selected Hull(s).

**C. Follow-on Training**

- Identify "Yes" or "No" to indicate whether or not the system/equipment being installed has any Follow-on Training requirements.
  - If "Yes", identify how the Follow-on Training will be identified. Briefly describe what plans have been made to update the training system to support the equipment installed

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by this Alteration. The training system includes curriculum, visual aides, technical data, initial spares, special tools, test equipment and, when appropriate, installation at the training activity.

- **List each Follow-on Training requirement.** (See the "General Guidance" section above for instructions for adding additional rows.)

- SID Number/SID Item Number. List the SID number(s) and SID Item Number(s) of the equipment/component for which the identified Follow-on Training supports.
- AML Item Number. List the AML Item Number(s) of the equipment/component for which the identified Follow-on Training supports.
- Identify the Course Number and Title of each required course.
- Identify the location where training will occur for each course listed.
- Identify the Trainers impacted at the Navy Training Facility.
- Enter the duration (in hours, days, etc.) of each course identified.
- List the NEC code identified for operation and maintenance of the equipment.
- Identify the applicable Rating/Rate(s) required for the Training.
- Identify the number of personnel required to be trained per ship in support of the equipment installed by this Alteration.
- Identify the date the Training product is expected to be available for training.
- Identify the Ready for Training (RFT) date for the location/course listed.
- If there are variations in the quantity of an item required to accomplish the alteration on specific Hull(s), list those selected Hull(s).

**D. Job Qualification Requirements (JQRs)/Personnel Qualification Standards (PQS) Training Requirements**

- Identify "Yes" or "No" to indicate whether or not the system/equipment being installed has any JQR/PQS requirements.

**PQS:**

*A compilation of the minimum knowledge and skills that an individual must demonstrate in order to qualify to stand watches or perform other specific routine duties necessary for the safety, security, or proper operation of a ship, aircraft, or support system.*

- **List each PQS requirement.** (See the "General Guidance" section above for instructions for adding additional rows.)
  - Enter the number assigned to to the specific PQS. This number can be obtained from CNET website (<http://www.cnet.navy.mil/netpdtc/pqs/default.htm>).
  - Enter the title associated with the PQS/NAVEDTRA number.
  - Identify the individual/person responsible for keeping the requirements current.
  - Identify the date the PQS was developed or revised.
  - Briefly describe the functions of the PQS.

**JQRs:**

*These are the minimum requirements to qualify repair personnel for safely and effectively performing the maintenance process.*

- **List each JQR requirement.** (See the "General Guidance" section above for instructions for adding additional rows.)
  - Enter the number assigned to to the specific JQR.
  - Enter the title associated with the JQR number.
  - Identify the individual/person responsible for keeping the requirements current.
  - Identify the date the JQR was developed or revised.
  - Briefly describe the functions of the JQR.

**E. Additional Training Products**

- **List each Additional Training Product that will be delivered.** (See the "General Guidance" section above for instructions for adding additional rows.)
  - SID Number/SID Item Number. List the SID number(s) and SID Item Number(s) of the equipment/component for which the identified Training product supports.

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- AML Item Number. List the AML Item Number(s) of the equipment/component for which the identified Training product supports.
- Identify the Product identification number of the item listed.
- Provide a brief description of the product listed.
- Identify the format/type (e.g., Computer Based Training (CBT), Audio product, etc.) of the product listed.
- Identify the date the Training product is expected to be available for training.
- If there are variations in the quantity of an item required to accomplish the alteration on specific Hull(s), list those selected Hull(s).

**Remarks on Training Requirements**

- Enter any amplifying information on the Training Requirements in the "Remarks" section.

**PROPOSED INSTALLATION SCHEDULE**

This section is used to list the planned installation schedule for the hulls identified as applicable in this Alteration.

Note, it will not be necessary to update the proposed installation schedule once the ILS Certification Form has been approved.

- List the Ship Class this alteration is applicable.
- Identify the hull this Alteration will be installed in as a backfit installation.
- Identify the fiscal year and quarter the associated hull is planned for start of installation.
- For those Alterations installed temporarily (TEMPALTs) and as such planned for scheduled removal, identify the fiscal year and quarter the Alteration equipment/component will be removed.

**ILS CERTIFICATION FORM SIGNATURE PAGE**

- Fill "Basic Header Data" in accordance with the guidance provided in the first section of this Guide. If this ILS Certification is being submitted for multiple ship classes, then each applicable SPM must endorse/sign the ILS Certification Form.

- All applicable approval fields are to be filled in with the requested information.
  - Identify any ILS product that will not be available by the start of the installation and/or delivered by the end of the installation and provide the date the product(s) will be available for delivery to the affected ship.

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## Certification Form Elements and Criteria

<b>I</b>	<b><u>SUPPLY SUPPORT REQUIREMENTS</u></b>	
<b>A</b>	<b>Support Requirements</b>	<u>For Carriers Only:</u> All support requirements must be available by Start of Availability (SOA) and provided to the ship by End of Availability (EOA) and/or to support required ship's milestones/evolutions (e.g., testing). For first time installations, preliminary support requirements will be accepted at SOA; however, final requirements must be met by EOA.
<b>1</b>	<b>COTS / NDI</b>	
		1) Ensure that the level of logistics support available with COTS/NDI equipment is sufficient to meet the Navy's requirements.
		<u>For EXW Units Only:</u> A well defined and effective logistics support strategy for COTS equipment must be established and logistics support procedures/products reflecting that strategy need to be fully identified.
<b>2</b>	<b>PTD</b>	
		1) Ensure that PTD has been submitted to NAVICP; spot check with NAVICP.
		<u>For Carriers Only:</u> Ensure that PTD has been submitted to NAVICP and the LSSC code is AA. If any other LSSC is identified, provide support date.
<b>3</b>	<b>PAL</b>	
		1) Verify that PAL/ACL/APL Equipment/Component Nomenclature/Characteristics supports ILS CERT Form system/equipment nomenclature, cross check with SAR in <i>LIVELINK</i> .
		2) Ensure that PAL/ACL/APL Identification Numbers have been assigned and provisioned.
		3) Hardcopy/electronic copy of supporting PAL/ACL/APL should be available upon request.
		4) Ensure that PAL/ACL/APL Identification Numbers are loaded in CDMD-OA and Weapon System File (WSF)-A for ship(s).
		5) Review PAL/ACL/APL information in conjunction with the ILS Cert.
		<u>For Surface Combatants Only:</u> If ACL, ensure that appropriate lower assemblies are included in the configuration section.
		<u>For Surface Combatants Only:</u> If PAL, determine when APL will be provisioned and available.
		<u>For Carriers Only:</u> Verify that PAL/APL/AEL Equipment/Component Nomenclature/Characteristics support ILS Cert Form system/equipment; verify with SAR/JCF, FMPMIS and Bill of Material from SIDs.



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		<u>For Carriers Only:</u> If ACL, ensure that appropriate lower assemblies are included in the configuration section.
		<u>For Carriers Only:</u> If PAL or AAP, determine when APL will be provisioned and available.
<b>4</b>	Parts Procurement	
		<u>For Submarines Only:</u> Ensure that if items have not reached Material Support Date (MSD) (i.e. interim support items) that proper stock is in place to support all planned pre-MSD installations (i.e. remarks section of ILS CERT Form must address this issue); verify with 04H whether buy has been made.
		<u>For Submarines Only:</u> Ensure that ILS CERT Form identifies Activity, Code and POC to provide interim/pushed parts.
<b>5</b>	PSD	
		1) Ensure that PSD has been submitted for inclusion into the PARTS Database (i.e. in support of forecasting) to SEA 04 in accordance with the Provisioning, Allowance and Fitting Out Support Manual; cross check in <i>WINPARTS</i> .
<b>6</b>	I&C	
		1) Ensure that INCO Kit requirement and POC information is identified if required.
<b>7</b>	Int. & Depot	
		1) Ensure that Intermediate & Depot requirements and POC information is identified if required.
<b>B</b>	<b>Configuration Identification</b>	
<b>1</b>	CDMD-OA	
		1) Identify whether Configuration Overhaul Planning (COP) have been provided to the Configuration Data Manager (i.e. who did they provide data to and date provided); spot check with CDM.
		<u>For Submarines Only:</u> Identify whether Configuration Overhaul Planning (COP) have been provided to the submarine Configuration Data Manager POC Gary Wasmer, (757) 896-5357 or email gary_wasmer@amsec.nns.com and date provided; spot check with CDM.
		2) Ensure that Configuration/Supply Support/Hazardous Material items are crossed to supporting Shipalt Alteration Material List (AML) item numbers, cross check with SAR in <i>LIVELINK</i> .
		3) Ensure that NICN/NSN have been assigned to manufacturers' part numbers and are valid in the WSF.

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		<u>For Carriers Only:</u> Ensure that all APL-worthy equipments have APLs (no X-RICs).
		<u>For Carriers Only:</u> Ensure that items identified on JCF/SAR, FMPMIS and Bill of Material from SIDs are identified in CDMD-OA.
<b>2</b>	Software	
		1) List applicable software/firmware and version.
		<u>For Submarines Only:</u> Software is under the cognizance of the LCM/PARM/ISEA designated Software Support Activity (SSA).
<b>C</b>	<b>On-Board Support</b>	
<b>1</b>	OBRP Items	
		1) Identify what allowance computation model/sparing model was utilized (e.g. .5+ FLSIP, RBS or ACIM) to determine OBRPs; cross check with NAVICP/ISEA.
		2) Ensure OBRP items (NICN/NSN) are carried on supporting PAL/ACL/APL; cross check Cert sheet to allowance list.
		<u>For Surface Combatants Only:</u> If RBS, ensure that the Non Standard Allowance File (NSAF) is appropriately loaded and the NSAF OBRPs are reflected in the OBRP section of the ILS Cert Sheet.
		<u>For Carriers Only:</u> Ensure that maintenance significant repair part NICNs/NSNs have been assigned to equipments and are valid in the WSF.
<b>2</b>	Pack Up Kits	
<b>D</b>	<b>MAMs</b>	
<b>1</b>	LRU	
<b>2</b>	ID MAMs	
		1) Ensure that MAMs requirements and POC information is identified if required. <u>Note For Submarines Only:</u> Ensure that all Configuration and Supply Support Management requirements are identified on the ILS Cert Form along with POC information (i.e., identify responsible activity name, code, phone number and email address).
		2) Ensure that MAMs have Allowance Code of "N" reflected on the APL and POC information is identified if required.
		3) Ensure that CI/Support Support POC information is identified on the ILS Cert Form (i.e. identify responsible activity name, code, phone number and email address).
<b>E</b>	<b>HAZMAT</b>	

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		1) Ensure that any special Hazardous or Flammable material requirements are addressed (i.e. identify any special handling or stowage requirements and/or waivers); ensure requirements (MILSTD) are listed.
	<b>Remarks Section</b>	
		1) Ensure that if items have not reached Material Support Date (MSD) (i.e. interim support items) that proper stock is in place to support all planned pre-MSD installations (i.e. remarks section of ILS CERT Form must address this issue).
		<u>For Submarines Only:</u> Remarks sections should address how/who/when all interim or preliminary products will be provided to the ship; e.g. preliminary MIP/MRCs are contained in the Operational Logistics Support Plan (OLSP)/Phased Support Plan (PSP)/Material Fielding Plan (MFP)/Users Logistics Support Plan (ULSP) that will be provided to the ship by the Installation Activity (IA) at End of Installation (EOI).
		<u>For Surface Combatants Only:</u> Verify with 04H that buy has been made.
<b>II</b>	<b><u>TECHNICAL MANUAL REQUIREMENTS</u></b>	
<b>A</b>	<b>Technical Manual Requirements</b>	<u>For Carriers Only:</u> All technical manuals must be available by Start of Availability (SOA) and provided to the ship by End of Availability (EOA) and/or to support required ship's milestones/evolutions (e.g., testing). For first time installations, preliminary technical manuals will be accepted at SOA; however, final manuals are required by EOA.
	1) TM Required	
		1) Ensure that Technical Manual Identification Numbers (TMINs)/Interactive Electronic Technical Manuals (IETMs) have been assigned to all manuals (including COTS).
		2) Ensure that Navy CD ROM control numbers have been assigned to all required Manufacture CD ROMs.
		3) Verify in the Title Column of the ILS Cert Form that supporting manual/CD ROM Revision #/Version #/Release # information has been identified and is assigned within the Technical Data Management Information System (TDMIS).
		4) Research each TM listed on the ILS Cert Form in TDMIS to ensure database status reflects Final Issue (FI), not Under Development (UD).
		5) Ensure that TM support items are crossed to supporting Shipalt Alteration Material List (AML) item numbers; cross check with SAR in <i>LIVELINK</i> .
		6) Ensure that TM POC information is identified on the ILS Cert Form (i.e. identify responsible activity name, code, phone number and email address).

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		7) Ensure that TDMIS FTDD Publication Research section (i.e. identify active publications applicable to a ship or ship class) reflects the applicable ship or ship class tied to RIC/PAL/ACL/APL identified within the ILS Cert Form.
		8) Ensure that TDMIS Equipment Application/Applicability section (i.e. provides a means to view information describing what equipment applies to a publication) for the publication listed on the ILS CERT Form ties to correct equipment nomenclature/RIC.
		9) Verify that TMs support equipment identified in the SAR/JCF, FMPMIS and Bill of Material from SIDs.
		<u>For Submarines Only:</u> Ensure that TDMIS reflects the correct Technical Manual Maintaining Activity (TMMA), correct stocking point, TMMA Point of Contact (POC), and phone number.
		<u>For Submarines Only:</u> Ensure compliance with ATIS Compatibility Testing Procedures.
2	TM Available	
<b>III MAINTENANCE PLANNING REQUIREMENTS</b>		
A	<b>PMS Requirements</b>	<u>For Carriers Only:</u> All PMS requirements must be available by Start of Availability (SOA) and provided to the ship by End of Availability (EOA) and/or to support required ship's milestones/evolutions (e.g., testing). For first time installations, preliminary PMS will be accepted at SOA; however, final PMS is required by EOA.
1	PMS Availability	
		1) Ensure that MIP/MRC Identification Numbers have been assigned.
		2) Hardcopy/electronic copy of supporting MIP/MRC should be available upon request.
		3) View date and content of MIP/MRC to ensure that the referenced publications tie to ILS Cert Form TM/APL and that the configuration covers supporting class/system/equipment.
		4) Ensure that (if not released) remarks section identifies when MIP/MRC will be released via FTSC Ship's Force Revision (SFR).
		5) Ensure maintenance support items reflect items identified in the SAR/JCF, FMPMIS and Bill of Material from the SID; cross check with SAR in <i>LIVELINK</i> .
		<u>For Submarines Only:</u> Ensure that ship will receive either preliminary or final MIP/MRCs at installation.
B	<b>ICMP / CMP</b>	
		<u>For Submarines Only:</u> Shipalt related impacts to the submarine Class Maintenance Plan (CMP) is under the cognizance of Submarine Maintenance Engineering, Planning & Procurement (SUBMEPP, Code 1813) Activity.
C	<b>TRS / MS Impacted</b>	

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		<u>For Submarines Only:</u> Shipalt related impacts to submarine Technical Repair Standards (TRS) and Maintenance Standards (MS) are under the cognizance of Submarine Maintenance Engineering, Planning and Procurement (SUBMEPP, Code 1833) Activity.
<b>D</b>	<b>Int. &amp; Depot Maintenance Requirements</b>	
		1) Ensure that all Intermediate ("I") and Depot ("D") level maintenance requirements (i.e. Maintenance Plan (MP), Class Maintenance Plan (CMP), Technical Repair Standards (TRS) and Maintenance Standards (MS)) are properly identified along with POC information; however, the timeline for completion of these non-shipboard products is not the same as the Organization ("O") level products and is not Cert dependant for a single class of ships.
		2) Ensure that Maintenance POC information is identified on the ILS Cert Form (i.e., identify responsible activity name, code, phone number and email address).
<b>IV</b>	<b><u>SUPPORT &amp; TEST EQUIPMENT REQUIREMENTS</u></b>	
<b>A</b>	<b>BIT / BITE</b>	
<b>B</b>	<b>Support and Test Equipment Requirements</b>	<u>For Carriers Only:</u> All Support and Test Equipment requirements must be available by Start of Availability (SOA) and provided to the ship by End of Availability (EOA) and/or to support required ship's milestones/evolutions (e.g., testing).
<b>C</b>	<b>SPETERL</b>	
		1) Verify that S&TE identified in the SAR/JCF, FMPMIS and Bill of Material from SIDs are reflected on the ILS Cert Form.
		2) Ensure that applicable System Commonality Analysis Tools (SCATs) are listed and indicate whether they are currently carried onboard and/or new requirements POC/ECD is properly identified.
		3) Ensure that SPETERL information has been forwarded to NSWC Earle (i.e., to whom and date provided); spot check new items with Earle.
		4) Ensure AELs/APLs in support of tools and test equipment for the Shipalt/System/Equipment are delivered; view hardcopy of AEL.
		5) Ensure that S&TE POC information is identified on the ILS Cert Form (i.e., identify responsible activity name, code, phone number and email address).
		<u>For Carriers Only:</u> Verify that S&TE is listed for the applicable SHIPALT in the Test Equipment Management Information System (TEMIS).

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		<u>For Carriers Only:</u> Ensure that the primary equipment that the test equipment supports is identified in both the Test, Measurement and Diagnostic Equipment (TMDE) Index and the Ship's Portable Electrical/Electronic Test Equipment List (SPETERL).
<b>V</b>	<b><u>TRAINING REQUIREMENTS</u></b>	
<b>A</b>	<b>Training Requirements Required</b>	<u>For Carriers Only:</u> All Training products must be available by Start of Availability (SOA) and provided to the ship by End Of Availability (EOA).
		1) Verify that the NTSP information is consistent with the SPM approved SAR form.
		2) If a new or updated NTSP is required, confirm that it has been approved by the OPNAV Training Sponsor (N77). If it is not approved yet, confirm with the Training Sponsor that it is okay to proceed with the installation.
		3) If the alteration does not require a new or revised NTSP it may still have training requirements. Block A should identify the Program Manager proposed informal training to be provided at installation time. This should be verified against the SPM approved SAR and confirmed with the activity identified to conduct the training.
		<u>For Submarines Only:</u> Ensure that the ILS Cert Form Training Requirements identification matches the SPM approved SAR. If there are differences, confirm with TEAMSUB Training SPOC (SEA 92L1) that the differences are acceptable.
<b>B</b>	<b>Initial Training Required</b>	
		1) Verify that training is for equipment identified in the SAR/JCF, FMPMIS, and Bill of Material from SIDs.
		2) For initial training, confirm CIN, location, Duration, NEC and Rating in the CANTRAC database. If the data is not available in CANTRAC, confirm with CNET.
		3) If the initial training is installation training, which would not have a CIN, indicate course title and that it is installation training.
		4) If initial training is identified, confirm with the associated Training Facility/Activity that the course and trainer will be available in time (ECD).
		5) If the initial training is a Factory Course, confirm details with Course Administrator (Program Manager, SEA 92L1(SEAT1... Training POC).

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		6) If trainer and training material updates for required Initial training are beyond the end of Ships Availability, confirm and identify the authority waiving the requirement (CNET, TYCOM, OPNAV) and that the Program Manager has identified informal training to meet the ship's training needs.
		7) If the initial training is installation training, confirm with TYCOM representatives (N4/N6 as applicable <u>and</u> N7) that the Program Manager proposed training is acceptable to the fleet.
		<u>For Submarines Only:</u> Confirm number of sailors per ship needing initial training though the NTSP or TYCOM Training Requirements (Submarine Readiness Manual).
<b>C</b>	<b>Follow On Training (FOT) Required</b>	
		1) Verify that training is for equipment identified in the SAR/JCF, FMPMIS, and Bill of Material from SIDs.
		2) If trainer hardware needs to be updated, a brief description needs to be included. This must be consistent with any new or updated NTSPs and should be verified with the applicable training facility.
		3) Course data confirmed against the NTSP when the course/ trainer requirement was derived from the NTSP process.
		4) Course/Trainer updates driven by requirements to maintain training configuration consistent with the fleet should be confirmed with Course Curricula Model Manager (CCMM) (as identified in CANTRAC).
		<u>For Submarines Only:</u> Confirm RFT for first trainer with CCMM or TEAMSUB Single POC for Submarine Training (SEA 92L1).
<b>D</b>	<b>JQRs / PQS</b>	
<b>E</b>	<b>Additional Training Required</b>	
		<u>For Submarines Only:</u> If Submarine On-board Training (SOBT) products are involved, confirm with NAVSUBSCOL N9 that they are in approved format and the availability date.
		<u>For EXW Units Only:</u> If On-board training products are involved, confirm with Alt introductory activity (i.e. PARM SYSCOM) that they are in approved format and the availability date.
	<b>Additional Training Remarks</b>	
		1) Any deficiencies need to be addressed in this block and resolution/work-arounds identified.

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		2) Ensure that training is identified in the Integrated Battle Force Training (IBET) web site in support of Battle Group related training.
		3) Ensure that training POC information is identified on the ILS Cert Form (i.e., identify responsible activity name, code, phone number and email address).
<b>VI PROPOSED INSTALLATION SCHEDULE</b>		
		1) Near term installations ( $\leq$ 6 months away) should identify hull w/Month+Year.
		2) Installations $>$ 6 months away but $<$ 12 months away should identify hull w/FY+Quarter.
		3) Out year installations ( $>$ 12 months away) should identify hull w/TBD.
	<b>SHIPALT</b>	
		1) Need a copy of signed Ship Alteration Record (SAR)/Shipalt or draft SAR in support of ILS Cert Form assessment to validate configuration and ILS impacts.
	<b>ILS Cert Form</b>	
		1) Need latest revision to the ILS Cert Form in support of SPM Class Certification (i.e., all ILS products are in final form in order to validate that all ILS products are in interim or final form).
	<b>Remarks Sections</b>	
		1) Review the logistics element remarks section for each area for supporting detailed ILS comments.

## **VII USEFUL WEB SITES**

CANTRAC	<a href="http://www.cnet.navy.mil/netpdtc/cantrac">www.cnet.navy.mil/netpdtc/cantrac</a> - Formal Training Verficiation
CDMD-OA	<a href="http://www.cdmd.navy.mil">www.cdmd.navy.mil</a> - Installed ILS/APLs Verification
CMATT	<a href="https://cmatt.spawar.navy.mil/cmatt">https://cmatt.spawar.navy.mil/cmatt</a> - NTSP Verification
FMPMIS	<a href="http://www.fmp.navy.mil">www.fmp.navy.mil</a> - FMP References
IBFT	<a href="https://c4isr.spawar.navy.mil/04/ibft">https://c4isr.spawar.navy.mil/04/ibft</a> - Training Schedule Verification
ICMP	<a href="https://idb.spawar.navy.mil">https://idb.spawar.navy.mil</a> - SPAWAR Installation Verification
JDMS	<a href="https://jdms.spawar.navy.mil">https://jdms.spawar.navy.mil</a> - PMW 151/157/165 SAR Repository
JETDAS	<a href="https://tdas6.monmouth.army.mil/tdas.htm">https://tdas6.monmouth.army.mil/tdas.htm</a> - Nomenclature
OARS/3M	<a href="http://www.oars.navsea.navy.mil/index.htm">www.oars.navsea.navy.mil/index.htm</a> - Configuration Management Information
PARTS	<a href="http://www.partsweb.navsea.navy.mil">www.partsweb.navsea.navy.mil</a> - PSD Verification
TDMIS WEB	<a href="https://tdmisad2.seajax.navy.mil">https://tdmisad2.seajax.navy.mil</a> - Technical Manual Verification
TEMIS	<a href="https://temis.phdnswc.navy.mil">https://temis.phdnswc.navy.mil</a> - Test Equipment Verification



## **ILS Certification Form Validation Criteria**

SPAWARINST 4105.2

11 Mar 03

NAVICP APL	<a href="http://www.navicp.navy.mil/aplael/index.htm">www.navicp.navy.mil/aplael/index.htm</a> - Requesting ACL/APL/AEL soft copies.
SIDE	<a href="https://198.253.117.199">https://198.253.117.199</a> - SPAWAR ILS Certification Status
SPAWAR VPO	<a href="https://vpo.spawar.navy.mil">https://vpo.spawar.navy.mil</a> - 04L VPO Site for draft/final ILS Certification Forms

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LIST OF ACRONYMS

**A**

ACL	Allowance Components List
AEL	Allowance Equipage List
AIT	Alterations Installation Team
AML	Alteration Material List
APL	Allowance Parts List
APM	Acquisition Program Manager (PMW)

**B**

BG	Battle Group
BIT	Built-In-Test
BITE	Built-In-Test Equipment

**C**

C4ISR	Command, Control, Communications, Computer And Intelligence Surveillance And Reconnaissance
CANTRAC	Catalog of Navy Training Courses
CCMM	Course Curriculum Model Manager
CDM	Configuration Data Management
CDMD-OA	Configuration Data Management Database - Open Architecture
CM	Configuration Management
CMP	Class Maintenance Plan
CNET	Commander Naval Education and Training
CNO	Chief of Naval Operations
COMSPAWAR	Commander Space and Naval Warfare Systems Command
COP	Configuration Overhaul Planning
COSAL	Coordinated Shipboard Allowance List
COTS/NDI	Commercial-Off-The-Shelf and Non- Developmental Items

**D**

DOD	Department Of Defense
DT/OT	Developmental Test/Operational Test

**E**

EC	Engineering Change
ECD	Estimated Completion Date
EOA	End of Availability
EOI	End of Installation
EXW	Expeditionary Warfare

**F**

FC	Field Change
FI	Final Issue
FLSIP	Fleet Logistics Support Improvement Plan
FMP	Fleet Modernization Program
FOT	Follow-On Training
FY	Fiscal Year

**G**

GPETE	General Purpose Electronic Test Equipment
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**H**

HAZMAT	Hazardous Materials
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**I**

IA	Installation Activity
IBET	Integrated Battle Force Training
IETM	Interactive Electronic Technical Manual
ILS	Integrated Logistics Support
ILSWP	ILS Work Plan
INCO	Installation and Check Out
IOC	Initial Operational Capability
ISEA	In-Service Engineering Agent

**J**

JCF	Justification Cost Form
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**K**

**L**

LCM	Life Cycle Manager
LSSC	Logistics Support Status Code
LWP	Logistics Work Plan

**M**

MAM	Maintenance Assistance Modules
MCR	Maintenance Change Record
MILSTD	Military Standard
MIP	Maintenance Index Page
MRC	Maintenance Requirement Card
MSD	Material Support Date

**N**

NAVAIR	Naval Air Systems Command
NAVICP	Naval Inventory Control Point
NAVSEA	Naval Sea Systems Command
NDE	Navy Data Environment
NEC	Navy Enlisted Code
NICN	National Identification Control Number
NSA	Navy Stock Account
NSAF	Navy Standard Allowance File
NSN	National Stock Number

**O**

OBRP	On-Board Repair Part
OJT	On-the-Job Training
OLSP	Operational Logistics Support Plan
OPNAV	Office of the Chief of Naval Operations

**P**

PAL	Preliminary Allowance List
PARTS System	PSD Automated Reporting and Tracking
PM	Program/Project Manager
PMS	Preventive (Planned) Maintenance System
PMW	Program Manager Warfare
POA&M	Plan Of Action And Milestones

POC	Point Of Contact
PSD	Program Support Date
PSP	Phased Support Plan
PTD	Provisioning Technical Documentation

**Q**

QA	Quality Assurance
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**R**

RBS	Readiness Based Sparing
RCM	Reliability Centered Maintenance
RIC	Routing/Repairable Identification Code

**S**

SAR	Ship Alteration Record
SCAT	Systems Commonality Analysis Tool
SFR	Ship's Force Revision
S&TE	Support and Test Equipment
SHIPALT	Ship Alteration
SIDE	SPAWAR Integrated Data Environment
SOA	Start of Availability
SOBT	Submarine On-Board Training
SPAWAR	Space and Naval Warfare Systems Command
SPETE	Special Purpose Electronic Test Equipment
SPETERL	Ship Portable Electric/Electronic Test Equipment
	Requirements List
SPM	Ship's Program Manager
SSA	Software Support Activity
SSC	SPAWAR Systems Center
SSM	Ship's Systems Manuals
SSR	Ship's Selected Record
SSRD	Supply Support Request Date
SYSCOM	Systems Command

**T**

TDMIS	Technical Data Management Information
System	
TEMPALT	Temporary Alteration

TEMIS	Test Equipment Management Information
System	
TM	Technical Manual
TMDE	Test, Measurement and Diagnostic
Equipment	
TMIN	Technical Manual Identification Number
TMMA	Technical Manual Maintenance Activity
TRF	Technical Replacement Factor
TRS	Technical Repair Standards
TSC	Theater Surface Combatant
TYCOM	Type Commander

**U**

UIC	Unit Identification Code
ULSS	User's Logistics Support Summary

**V-Z**

VPO	Virtual Program Office
VTC	Video Teleconference
WSF	Weapons System File